



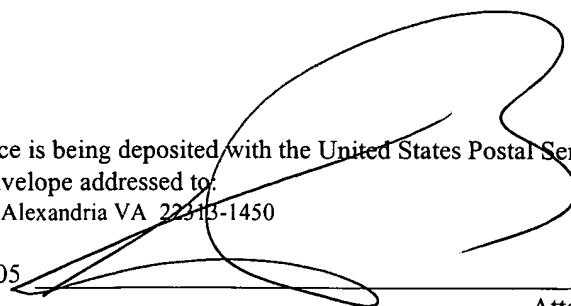
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PATENT

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Attorney of Record

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): James A. Zagzebski, *et al.*
Serial No.: 10/772,663
Filed: February 4, 2004
For: Parametric Ultrasound Imaging Using Angular Compounding
Grp. Art Unit: 1756
Docket No.: 960296.00041

INFORMATION DISCLOSURE STATEMENT

The following are submitted in the above-identified application in compliance with 37 CFR 1.97 & 1.98:

- A list of documents on Form PTO-1449 together with copies of identified documents when required;
- A translation or a concise explanation of each non-English language document is enclosed herewith.

This paper is submitted in accordance with:

- 37 CFR 1.97(b) (within 3 months of filing or prior to mailing of 1st Office Action)
- 37 CFR 1.97(c) (before Final Office Action or Notice of Allowance); and
 - The required certification made under the heading "Certification" below; or
 - The \$ _____ fees specified in 37 CFR §1.17(p) for submission of this Information Disclosure Statement is authorized under the heading "Authorization to Charge Fees" below.

37 CFR 1.97(d) (before issue fee payment); and

a) This is a petition for consideration of the subject Information Disclosure Statement. The petition fee \$ _____ required by 37 CFR 1.17(i)(1) is authorized under the heading "Authorization to Charge Fees". (Direct this letter to "Attention Petitions Examiner" and if applicable include batch locator information: e.g. "Allowed Files, Batch _____, Date of Allowance _____"), and

b) The required Certification is stated under the heading "Certification" below.

Certification

Each item of information contained in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; or

No item of information contained in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this document after making reasonable inquiry, was known to any individual designated in 37 CFR 1.56(c) more than three (3) months prior to the filing of this Statement.

Authorization to Charge Fees

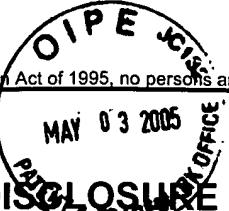
Please charge all applicable fees associated with the submittal of this Information Disclosure Statement to Deposit Account No. 17-0055.

Respectfully submitted,

JAMES A. ZAGZEBSKI, *et al.*

By:

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Substitute for form 1449/PTO		 MAY 03 2005		Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/772,663	
				Filing Date	February 4, 2004	
				First Named Inventor	James A. Zagzebski	
				Art Unit	1756	
		Examiner Name				
Sheet	1	of	2	Attorney Docket Number	960296.00041	

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	PESAVENTO, A., et al.: "Ultrasonic reflection tomography and tomographic parameter extraction for post-discotomic scarring diagnostics"; Ultrasonics Symposium 1997.	
		Proceedings., 1997 IEEE Toronto, Ontario, Canada 5-8 Oct. 1997, New York NY, IEEE 5 Oct, 1997	
	2	BARTELTH.: "Computation of local directivity, speed of sound and attenuation from ultrasonic reflection tomography data", Ultrasonic Imaging, Dynamedia, Inc., Silver	
		Spring, MD, vol. 10, no. 2, 1 April 1988	
	3	ROHLING R.N., et al.: "Automatic registration of 3-D ultrasound images" Ultrasound In Medicine and Biology", New York NY, vol. 24, no. 6, July 1998	
	4	ANDERSON, M.E., et al.: "Microcalcifications as elastic scatterers under ultrasound: implication for medical imaging"; Ultrasonics Symposium, 1996, Proceedings., 1996	
		IEEE San Antonio TX; 3-6 Nov. 1996, New York, NY 3 Nov. 1996	
	5	PESAVENTO A., EMERT H., BROLL-ZEITVOGEL E.; GRIFKA J.: "Quantitative Abbildungskonzepte mit multidirektionalem Ultraschall-Echodata zur Abbildung der	
		Rückenmuskulator" Z. Med. Phys. vol. 9, 1999	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

2

of

2

Complete if Known

Application Number	10/772,663
Filing Date	February 4, 2004
First Named Inventor	James A. Zagzebski
Group Art Unit	1756
Examiner Name	

Attorney Docket Number 960296.00041

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	6	OELZE, MICHAEL L., ET AL.; "Method of improved scatterer size estimation and application to parametric imaging using ultrasound"; Journal of Acoustical Society of America, American Institute of Physics; New York; vol. 112, no. 6, December 2002.	<input checked="" type="checkbox"/>
	7	INSANA, M.F. ET AL.: "Describing small-scale structure in random media using pulse-echo ultrasound", Journal of the Acoustical Society of America, American Institute of Physics; New York.	
	8	SUZUKI K., HAYASHI N., SASAKI Y., TANAKA Y., ET AL: "Cepstral analysis of ultrasound in chronic liver disease - a preliminary study in the non-invasive evaluation of structural change"; Frontiers Med. Biol. Engineering, vol. 3, no. 4, 1991.	
	9	CHEN J., MADSEN E., ZAGZEBSKI J.: "A method for determination of frequency-dependent effective scatterer number density", J. Acoust. Soc. Am. , Vol 95, No. 1; January 1994	<input checked="" type="checkbox"/>

Examiner
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